SITE INSPECTION REPORT FOR
J.H. BAXTER AND COMPANY INC.
ARLINGTON, WASHINGTON

TDD F10-8808-17
PAN FWA0076SA

Report Prepared by: Ecology and Environment, Inc.
Date: November 1988

Submitted to: J.E. Osborn, Regional Project Officer
Field Operations and Technical Support Branch
U.S. Environmental Protection Agency
Region X
Seattle, Washington

SITE INSPECTION REPORT
J.H. BAXTER AND COMPANY INC.
ARLINGTON, WASHINGTON
TDD F10-8808-17
PAN FWA0076SA

Site Name/Address

J.H. Baxter and Company Inc.
6520 188th St. N.E.
Arlington, Washington 98223

Site Inspection Participants

Lynn Guilford, Field Investigator, E & E, Seattle, 206/624-9537

Principal Site Contacts

Michael Spies, Plant Manager, J.H. Baxter and Company Inc.,
Arlington, Washington, 206/435-2146

DISCLAIMER

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TABLE OF CONTENTS

LIST OF FIGURES

ABSTRACT

Pursuant to U.S. Environmental Protection Agency (EPA) Contract Number 68-01-7347 and Technical Directive Document (TDD) Number F10-8808-17, a Screening Site Inspection of the J.H. Baxter and Company Inc. site, located near Arlington, Washington, was conducted in October and November 1988. As a part of this inspection, EPA site files and State of Washington (Ecology) files were examined. Additionally, site specific information was obtained from the site manager to supplement the file information.

J.H. Baxter is a wood-treating plant that uses creosote and pentachlorophenol in a butt tank and two retorts. Process water from an oil/water separator is returned to a cooling tower, eliminating a waste water discharge stream. Wastes from a filter press, cleaning tanks, and water separating tank systems, including the cooling tower, are generated and disposed of on a variable schedule depending on when equipment and tanks are cleaned. There are only two known locations where contaminated materials were released in an uncontrolled manner. Contaminated soils from both disposal/spill sites have been removed and disposed of in Arlington, Oregon. There are no analytical data to indicate the completeness of the two removals. Groundwater encountered in sandy soils at 20 to 30 feet below ground surface under the site is the drinking water supply for approximately 5,500 people within 3 miles of the site.

1.0 INTRODUCTION

Pursuant to U.S. Environmental Protection Agency (EPA) Contract No. 68-01-7347 and Technical Directive Document (TDD) No. F10-8808-17, Ecology and Environment, Inc. (E & E) conducted a Screening Site Inspection (SSI) of the J.H. Baxter and Company, Inc. site located near Arlington, Washington. The EPA Site Inspection process is intended to evaluate actual or potential environmental or public health hazards at a particular site relative to other sites across the nation for the purpose of identifying remedial action priorities. The Screening Site Inspection represents the initial phase of the SI process and is intended to collect sufficient data to enable evaluation of the site's potential for inclusion on the National Priorities List (NPL) and, for those sites determined to be NPL candidates, establish priorities for additional action. The SI process does not include extensive or complete site characterization, contaminant fate determination, or quantitative risk assessment.

This document presents a summary of information collected during the J.H. Baxter SSI. Included are descriptions of the project objectives and scope (Section 2.0), site operations and environmental characteristics (Section 3.0), and inspection conclusions (Section 4.0).

2.0 PROJECT OBJECTIVES AND SCOPE

As mentioned, a Screening Site Inspection is primarily intended to gather sufficient data to enable evaluation of a site's potential for inclusion on the National Priorities List. Accordingly, the following objectives were defined for the J.H. Baxter SSI:

1. Evaluate site operations and environmental characteristics.

2. Identify waste types, quantities, and handling practices.

3. Identify/evaluate potential contaminant transport pathways and receptors.

To accomplish these objectives, the following general activities were conducted:

- Washington Department of Ecology and EPA files were reviewed.

- Site specific information from J.H. Baxter and Company, Inc. was obtained and reviewed.

- Data were interpreted following EPA pre-remedial program policies and procedures.

3.0 SITE OPERATIONS AND ENVIRONMENTAL CHARACTERISTICS

3.1 Site Location and Description

The J.H. Baxter and Company Inc. site is located at 6520 188th St. N.E., Arlington, Washington, in the NE 1/4 of Section 22, Township 31N, Range 5E, Willamette Meridian, at latitude 48°09'51" and longitude 122°08'34" (Figure 1). The site is located adjacent to and east of the Arlington Airport with commercial and residential areas near the site to the north, south, and east. Farther east and south, the area becomes rural.

The site is located in the flat valley that includes Marysville and Arlington. The land between the two towns is used for agriculture. Portage Creek, the nearest surface water, is located approximately 1.5 miles north of the site in the same valley. To reach the creek, surface water runoff from the site must cross several roads. East of the site, there are hills that define the edge of the valley. These hills are sparsely populated and without commercial or industrial usage (USGS 1958).

J.H. Baxter has owned and operated the wood-treating facility since 1970. The previous owner/operator was Ted Butcher Inc., who operated a 15-acre wood-treating plant on-site from the mid-1960's to 1970. Since 1970, J.H. Baxter has expanded the site to 45 acres (Spies 1988).

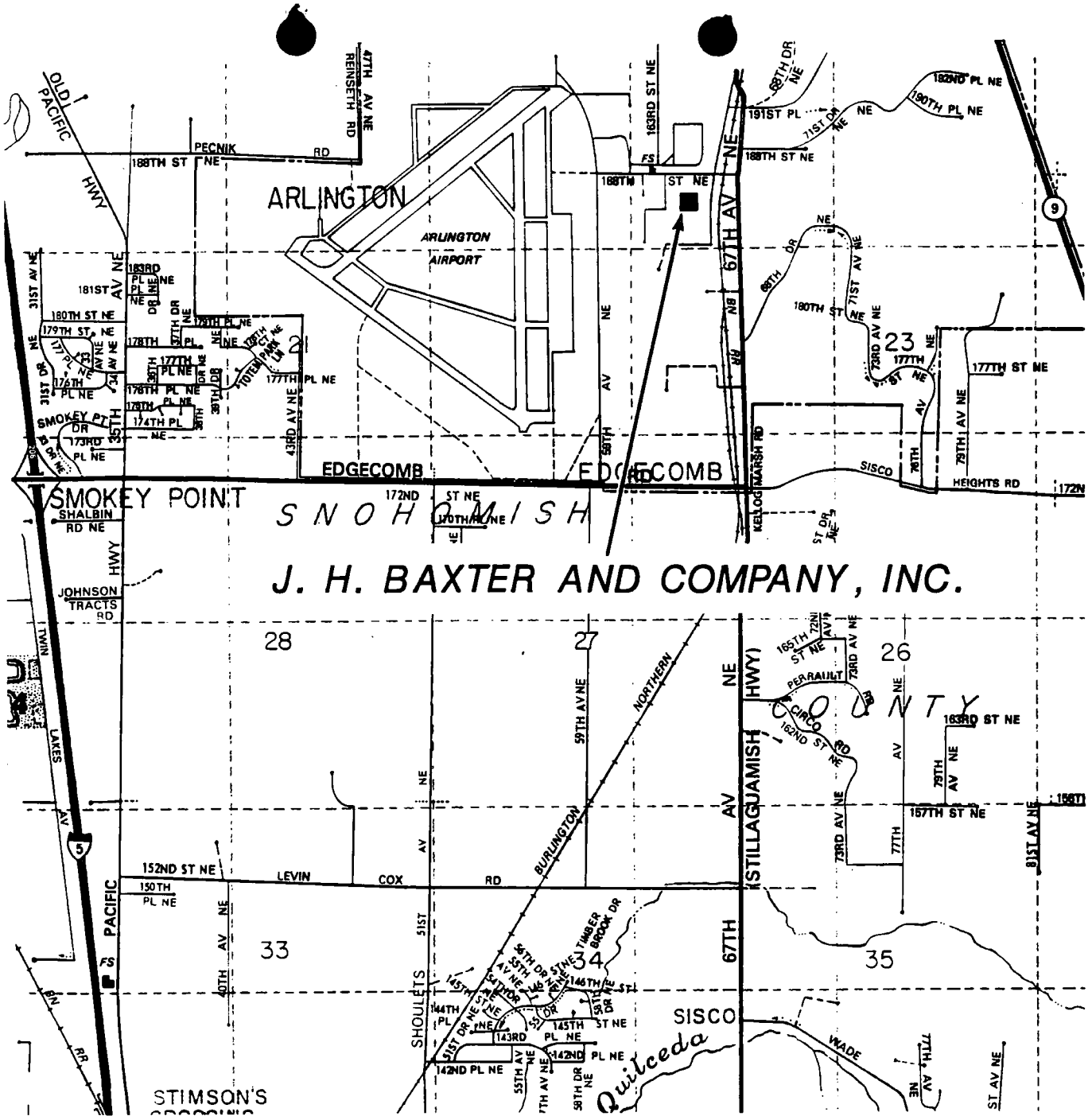
3.2 Site Operations and Waste Characteristics

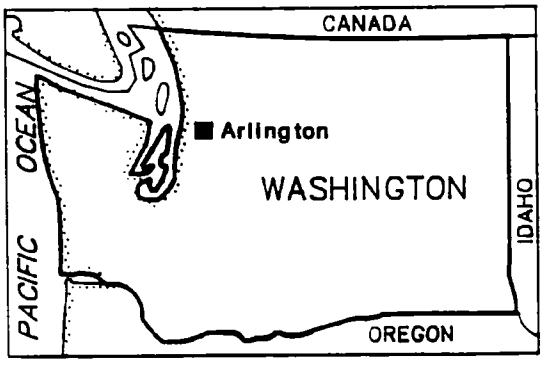
The site consists of a treated pole storage area, an untreated pole storage area, a process area, a pole peeler, a wood waste landfill, and an office area (Figure 2). The process area contains two retorts, a butt tank, support equipment, and storage tanks. One retort was installed in 1981 and the other in 1984 (Spies 1988).

In the 1960s, when Ted Butcher Inc. owned and operated the plant, there were three butt tanks and no retorts. Mr. Michael Spies, J.H. Baxter and Company, Inc. plant manager, believes that wood was treated with creosote. There are no records describing wastes generated during Ted Butcher, Inc.'s ownership.

From the time J.H. Baxter purchased the site in 1970 until about 1981 when the first retort was constructed on site, J.H. Baxter treated wood in butt tanks using pentachlorophenol in oil mixtures. Since approximately 1981, wood has been treated with pentachlorophenol solution using the butt tanks and the retort. In 1984, a second retort was added and the company started using creosote in the second retort (Spies 1988).

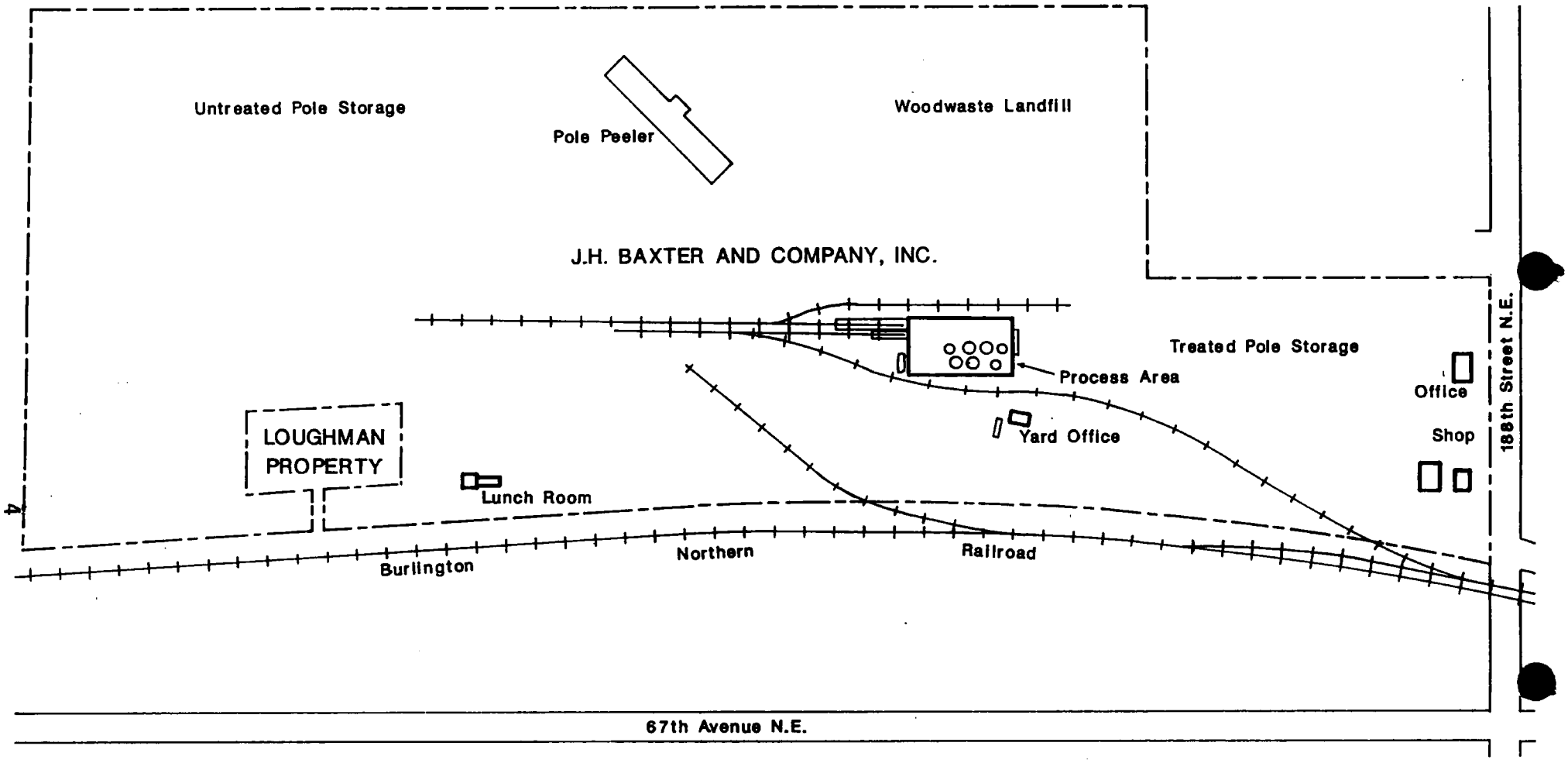
J.H. Baxter treats 1,000,000 cubic feet of wood poles per year at the Arlington facility. A Boulton process is used to condition all wood not treated in butt tanks. This wood is then treated using an Empty Cell process. Approximately 300,000 pounds of pentachlorophenol and 50,000 gallons of creosote are used per year (Spies 1988).





ecology & environment, inc.	
Job: F10-8808-17	Waste Site: WA 0076
Drawn by: B.T.	Date: Nov. 15, 1988

FIGURE 1
LOCATION MAP
J. H. BAXTER AND COMPANY, INC.
Arlington, WA



not to scale

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Job: F10-8808-17	Waste Site: WA 0076
Drawn by: B.T.	Date: Nov. 15, 1988

N

FIGURE 2
SITE MAP
J. H. BAXTER AND COMPANY, INC.
Arlington, WA

The wastes generated during the treating process include sludge from a filter press used to clean preservative solutions, residues from cleaning tanks, and residues collected from water separating tank systems, including the cooling tower. The quantity of waste generated on an annual basis is variable and dependent on when equipment and tanks are cleaned. In 1986, there was no waste generated, while in 1987, 8,000 gallons of pentachlorophenol wastes were generated and shipped to Arlington, Oregon for disposal (Spies 1988).

J.H. Baxter does not treat any wastes on-site, but does employ processes to reduce the quantity of wastes. A filter press is used to clean preservative solutions and an oil/water separation unit is used to clean wastewater from the retorts. Wastes from the filter press are collected as they are generated and shipped off site within 90 days to Arlington, Oregon.

All water derived from the oil/water separator is sent to the cooling tower. The cooling tower provides water for the condenser which is used to cool water from the retorts. No water is discharged. Some sludges accumulate in a basin in the bottom of the cooling tower. Mr. Spies mentioned that the sludges were removed infrequently (less than once a year).

According to Mr. Spies, the wood waste landfill on-site received only untreated wood from the peeler for an unknown time period. There are four monitoring wells around the landfill, one upgradient and three downgradient (Spies 1988). However, there are no analytical data available since the wells were installed this year. According to Mr. Jeff Defenbach of the Snohomish County Health Department, the wells are only being monitored for unspecified wood by-products. J.H. Baxter currently takes their wood wastes off site to another wood waste landfill they are operating nearby (Spies 1988).

3.3 Potential Contaminant Transport Pathways/Receptors

3.3.1 Groundwater

The site is located in a valley known as the Marysville Trough. The valley is made up of old and young alluvial deposits, including clay, silt, peat, sand, and gravel (USGS 1952). Groundwater in the alluvium underlying the site is typically encountered at 20 to 30 feet below ground surface (bgs). The site is located near a groundwater divide (USGS 1952). However, the hydraulic gradient below the site is most likely to the northwest toward the Stillaguamish River (USGS 1952). Groundwater on the hill to the east is typically encountered at shallow depths in the clean sand and gravel interbeds of the Pilchuck Clay Member and till formation. Wells in the area range in depth between 8 and 115 feet bgs (USGS 1952).

The aquifer beneath the site is currently pending designation as a sole source aquifer by USEPA Region X. Approximately 5,500 people use groundwater within 3 miles of the site. The closest well is a community well approximately 0.2 miles northwest of the site constructed to a

depth of 64 feet. The City of Arlington's secondary supply well is 0.5 miles west of the site. The primary wells are approximately 3 miles north of the site (Washington 1987).

3.4 Investigative/Regulatory History

In 1981, J.H. Baxter notified EPA that contaminated materials associated with the previous ownership were probably disposed of at the site. In November 1982, when a section of railroad was being installed on-site, approximately 79,830 pounds of soil were excavated and transported to Arlington, Oregon for disposal. According to Mr. Spies, the contaminated material and any questionable material was removed. Samples were not collected from the area. As a result, the nature and extent of the contamination and removal are unknown.

Approximately 1,400 gallons of pentachlorophenol treating solution was spilled from a butt tank in 1981. J.H. Baxter recovered approximately 300 gallons of the liquid (Spies 1988). At the time of the spill, Ecology collected four soil samples, the locations and depths of collection are currently unknown. The samples were analyzed for pentachlorophenol and found to contain concentrations ranging from 900,000 to 2,000,000 ug/kg. The penetration depth of the solution into the soil is unknown. Two shipments of pentachlorophenol contaminated soil, totalling 105,600 lbs, were sent to Arlington, Oregon.

4.0 SUMMARY AND CONCLUSIONS

J.H. Baxter is a wood-treating facility, located near Arlington, Washington, that has used both pentachlorophenol and creosote solutions to treat wood. The company recycles process water and only disposes of wastes periodically when equipment or tanks are cleaned. The wastes generated are variable. In 1986, no wastes were generated, while in 1987, 8,000 gallons of pentachlorophenol wastes were generated. These wastes were shipped to Arlington, Oregon for disposal. One area containing waste allegedly disposed of on-site by the previous owner and one spill of pentachlorophenol treating solution are the only known incidents of uncontrolled waste releases on-site. Contaminated soil was removed from both of these areas by J.H. Baxter. However, there are no analytical results to indicate the completeness of the removals.

Groundwater is the primary route of potential contaminant migration from this site since off-site surface water migration is unlikely and the most likely air releases would be from current operations. Numerous roads between the site and Portage Creek make surface water contamination unlikely. The materials underlying the site are sandy, groundwater is encountered 20 to 30 feet bgs, and approximately 5,500 people use groundwater within 3 miles of the site.

The most probable route of air contamination, if any, is through the evaporation of residual volatile compounds in the water evaporating from the cooling tower.

REFERENCES

Spies, Michael, November 1988, J.H. Baxter and Company Inc., Plant Manager, personal communications with Lynn Guilford, E & E.

State of Washington (Washington), 1987, Public Water Supply System Listing.

U.S. Department of Commerce, 1979, Climatic Atlas of the United States.

U.S. Geological Survey (USGS), 1952, Ground-Water Resources of Snohomish Washington Water-Supply Paper 1135.

_____, 1956, Arlington West, Washington Quadrangle Map 7.5 Minute Topographic series, photo revised 1981.

APPENDIX A

SITE INSPECTION REPORT FORM (EPA FORM 2070-13)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	DO53823019

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
J.H. Baxter & Company Inc.	6520 - 188th Street N.E.				
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 COUNTY**	**07 COUNTY CODE**	**08 CONG DIST**
Arlington	WA	98223	Snohomish	061	02

09 COORDINATES		10 TYPE OF OWNERSHIP (Check one)
LATITUDE	LONGITUDE	X A. PRIVATE ___B. FEDERAL _____ ___C. STATE ___D.COUNTY ___E. MUNICIPAL
48°09'51"	122°08'34"	___F. OTHER _____ ___G.UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION		
N/A	X ACTIVE	Mid-1960s	Present	___UNKNOWN
MO/DAY/YR	___INACTIVE	BEGINNING YEAR	ENDING YEAR	

04 AGENCY PERFORMING INSPECTION (Check all that apply)

___A. EPA X B. EPA CONTRACTOR Ecology & Environment, Inc. (E&E) ___C. MUNICIPAL ___D. MUNICIPAL CONTRACTOR

(Name of firm)

___E. STATE ___F. STATE CONTRACTOR _____ ___G. OTHER _____

(Name of firm) (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
N/A			

09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO.
Michael Spies	Plant Manager	P.O. Box 305 Arlington, WA 98223	(206)435-2146

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
___ PERMISSION ___ WARRANT	N/A	N/A

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Deborah Flood	USEPA	(206)442-2722

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
Lynn Guilford		E & E FIT	(206)624-9537	10/27/88

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	D053823019

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

___A. SOLID ___E. SLURRY
___B. POWDER, FINES _X_F. LIQUID
_X_C. SLUDGE ___G. GAS
___D. OTHER _____ (Specify)

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS Unknown
CUBIC YARDS _____
NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

_X_A. TOXIC ___E. SOLUBLE ___I. HIGHLY VOLATILE
___B. CORROSIVE ___F. INFECTIOUS ___J. EXPLOSIVE
___C. RADIOACTIVE ___G. FLAMMABLE ___K. REACTIVE
_X_D. PERSISTENT ___H. IGNITABLE ___L. INCOMPATIBLE
___M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS	1400	gallons	Treating solutions spilled and
IOC	INORGANIC CHEMICALS			removed. Other wastes shipped to
ACD	ACIDS			Arlington, Oregon.
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
	Pentachlorophenol	210 87-86-5	Spilled On-site	900,000-2,000,000	µg/kg

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	Pentachlorophenol		FDS		
FDS	Creosote		FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

1. Michael Spies, November 1988, J.H. Baxter & Company Inc., Plant Manager, personal communication with Lynn Guilford, E & E.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	D053823019

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 X A. GROUNDWATER CONTAMINATION — 02 ___ OBSERVED (DATE: _____) X POTENTIAL ___ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 5500 — 04 NARRATIVE DESCRIPTION

There is no analytical data for groundwater. However, the site is located on alluvial deposites which are sandy. Groundwater is encountered at 20-30 feet below ground surface.

01 ___ B. SURFACE WATER CONTAMINATION — 02 ___ OBSERVED (DATE: _____) ___ POTENTIAL ___ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

None known. The site and surrounding terrain is flat. According to the site manager, surface water infiltrates through french drains.

01 ___ C. CONTAMINATION OF AIR — 02 ___ OBSERVED (DATE: _____) ___ POTENTIAL ___ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

None known. The most likely air contamination source would be from current treating processes. Particulate contamination is most likely in late summer since Arlington receives 36 inches of rain and oil is the carrier for the treating solutions. There is a potential for volatile compounds emanating from the cooling tower.

01 ___ D. FIRE/EXPLOSIVE CONDITIONS — 02 ___ OBSERVED (DATE: _____) ___ POTENTIAL ___ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

None reported.

01 X E. DIRECT CONTACT — 02 ___ OBSERVED (DATE: _____) X POTENTIAL ___ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

Direct contact is most likely for employees who work with treating solutions (if they are spilled).

01 X F. CONTAMINATION OF SOIL — 02 X OBSERVED (DATE: 1981) ___ POTENTIAL ___ ALLEGED

03 AREA POTENTIALLY AFFECTED: _____ (Acres) — 04 NARRATIVE DESCRIPTION

The previous owner left contaminated material buried on-site. It was removed in 1982, but the completeness is unknown. In 1981, there was a spill of pentachlorophenol treating solution on-site. Approximately 20 cubic yards of contaminated soil was removed and sent to Arlington, Oregon.

01 X G. DRINKING WATER CONTAMINATION — 02 ___ OBSERVED (DATE: _____) X POTENTIAL ___ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

If groundwater becomes contaminated, there is a potential for drinking water to become contaminated.

01 X H. WORKER EXPOSURE/INJURY — 02 ___ OBSERVED (DATE: _____) X POTENTIAL ___ ALLEGED

03 WORKERS POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

If material is spilled, there is a possibility that workers may be exposed.

01 ___ I. POPULATION EXPOSURE/INJURY — 02 ___ OBSERVED (DATE: _____) ___ POTENTIAL ___ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

None reported. The site is not completely fenced, however, it is an active plant and unauthorized access is unlikely.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	D053823019

II. HAZARDOUS CONDITIONS AND INCIDENTS (CONTINUED)

01 ___J. DAMAGE TO FLORA — 02 ___ OBSERVED (DATE: _____) ___ POTENTIAL ___ ALLEGED

04 NARRATIVE DESCRIPTION

None reported.

01 ___K. DAMAGE TO FAUNA — 02 ___ OBSERVED (DATE: _____) ___ POTENTIAL ___ ALLEGED

04 NARRATIVE DESCRIPTION (Include name(s) of species)

None reported.

01 ___L. CONTAMINATION OF FOOD CHAIN — 02 ___ OBSERVED (DATE: _____) ___ POTENTIAL ___ ALLEGED

04 NARRATIVE DESCRIPTION

None reported.

01 _X_M. UNSTABLE CONTAINMENT OF WASTES — 02 _X_ OBSERVED (DATE: 1981) ___ POTENTIAL ___ ALLEGED

(Spills/runoff/standing liquids/leaking drums)

03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

In 1981, pentachlorophenol treating solution was spilled on-site when a butt tank overflowed. Contaminated soils were removed and taken to Arlington, Oregon.

01 ___N. DAMAGE TO OFFSITE PROPERTY — 02 ___ OBSERVED (DATE: _____) ___ POTENTIAL ___ ALLEGED

04 NARRATIVE DESCRIPTION

None reported.

01 ___O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ___ OBSERVED (DATE: _____) ___ POTENTIAL ___ ALLEGED

04 NARRATIVE DESCRIPTION

None reported.

01 _X_P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ___ OBSERVED (DATE: _____) ___ POTENTIAL ___ ALLEGED

04 NARRATIVE DESCRIPTION

The previous owner reportedly buried contaminated material on-site. In 1982, J.H. Baxter removed the material and soils but the completeness is unknown.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

None

III. TOTAL POPULATION POTENTIALLY AFFECTED: 5500

IV. COMMENTS

Population potentially affected is the population using groundwater within 3 miles of the site.

V. SOURCES OF INFORMATION (Cite specific references. e.g., state files, sample analysis, reports)

1. Michael Spies, November 1988, J.H. Baxter Company Inc., Plant Manager, personal communication with Lynn Guilford, E & E.
2. Washington State, 1987, Public Water Supply System Listing.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	D053823019

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
___A. NPDES				
___B. UIC				
___C. AIR				
___D. RCRA				
___E. RCRA INTERIM STATUS				
___F. SPCC PLAN				
___G. STATE (Specify)				
X H. LOCAL (Specify) Health Department	19266	7/1/86	6/30/87	Wood waste landfill-undergoing closure.
___I. OTHER (Specify)				
___J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
___A. SURFACE IMPOUNDMENT		
___B. PILES		
___C. DRUMS, ABOVE GROUND		
X D. TANK, ABOVE GROUND	Unknown	
___E. TANK, BELOW GROUND		
X F. LANDFILL	Unknown	(wood waste)
___G. LANDFARM		
___H. OPEN DUMP		
___I. OTHER (Specify)		

04 TREATMENT (Check all that apply)
___A. INCINERATION
___B. UNDERGROUND INJECTION
___C. CHEMICAL/PHYSICAL
___D. BIOLOGICAL
___E. WASTE OIL PROCESSING
___F. SOLVENT RECOVERY
___G. OTHER RECYCLING/RECOVERY
___H. OTHER _____ (Specify)

05 Other
5 A. BUILDINGS ON SITE

06 AREA OF SITE
45 (Acres)

07 COMMENTS

Treating solutions are stored in tanks on-site. Only untreated wood waste from the peeler was deposited in the on-site landfill. Currently the on-site landfill is undergoing closure and wood wastes are being taken off site to a nearby J.H. Baxter wood waste landfill.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one) Unknown

___A. ADEQUATE, SECURE ___B. MODERATE ___C. INADEQUATE, POOR ___D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

In 1981, pentachlorophenol treating solution was spilled on-site from a butt tank. Contaminated soil was removed. The previous owner had buried contaminated material on-site which was removed by J.H. Baxter in 1982.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ___YES X NO
02 COMMENTS

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

1. Michael Spies, November 1988, J.H. Baxter & Company Inc., Plant Manager, personal communication with Lynn Guilford, E & E.
2. Washington State Department of Ecology J.H., Baxter & Company site file.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	D053823019

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)

	SURFACE	WELL
COMMUNITY	A. ___	B. X
NON-COMMUNITY	C. ___	D. X

02 STATUS

ENDANGERED	AFFECTED	MONITORED
A. ___	B. ___	C. X
D. ___	E. ___	F. ___

03 DISTANCE TO SITE

A. .5 (mi)
B. .2 (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

___ A. ONLY SOURCE FOR DRINKING
___ B. DRINKING (Other sources available)
___ C. COMMERCIAL, INDUSTRIAL IRRIGATION (Limited other sources available)
___ D. NOT USED, UNUSABLE

COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available)

02 POPULATION SERVED BY GROUNDWATER 5500

03 DISTANCE TO NEAREST DRINKING WATER WELL .2 (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
20 (ft)	Northwest	20 (ft)	Unknown (gpd)	X YES ___ NO

09 DESCRIPTION OF WELLS (Including usage, depth, and location relative to population and buildings)

The nearest well is located in a trailer park .2 miles northwest of the site and is 64 feet deep. The city of Arlington's backup well is .5 miles west of the site. Numerous domestic wells are found within 3 miles of the site.

10 RECHARGE AREA		11 DISCHARGE AREA	
___ YES	COMMENTS	___ YES	COMMENTS
___ NO	Unknown	___ NO	Unknown

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

___ A. RESERVOIR, RECREATION DRINKING WATER SOURCE
___ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES
___ C. COMMERCIAL, INDUSTRIAL
___ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
Portage Creek	___	1-1/2 (mi)
Stillaguamish River	___	2-1/4 (mi)
	___	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. 400	B. 3300	C. 9600
NO. OF PERSONS	NO. OF PERSONS	NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION .2 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE 1100

04 DISTANCE TO NEAREST OFF-SITE BUILDING .2 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

Arlington is the closest town to the site and is located immediately north of the site. The site is located adjacent to and east of the Arlington Airport with commercial and residential areas near the site to the north, south, and east. Farther east and south, the area becomes rural.

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	D053823019

II. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

___A. 10^{-6} - 10^{-8} cm/sec ___B. 10^{-4} - 10^{-6} cm/sec ___C. 10^{-4} - 10^{-3} cm/sec X D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one) N/A

___A. IMPERMEABLE (Less than 10^{-6} cm/sec) ___B. RELATIVELY IMPERMEABLE (10^{-4} - 10^{-6} cm/sec) ___C. RELATIVELY PERMEABLE (10^{-2} - 10^{-4} cm/sec) ___D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
N/A (ft)	Unknown (ft)	Unknown	

06 NET PRECIPITATION	07 ONE-YEAR 24-HOUR RAINFALL	08 SLOPE		
		SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
14 (in)	1.6 (in)	< 1 %	Northwest	< 1 %

09 FLOOD POTENTIAL
SITE IS IN N/A YEAR FLOOD PLAIN

10
N/A SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5-acre minimum)

ESTUARINE	OTHER
A. > 3 (mi)	B. .7 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)
Unknown (mi)
ENDANGERED SPECIES:

13 LAND USE IN VICINITY
DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS PRIME AG LAND	AGRICULTURAL LANDS AG LAND
A. .2 (mi)	B. .2 (mi)	C. .2 (mi)	D. .2 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

The site is located in the flat valley that includes Marysville and Arlington. The nearest surface water, Portage Creek is located approximately 1.5 miles north of the site in the same valley. To reach the creek surface water must cross several roads. East of the site, there are hills that define the edge of the valley.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

1. USGS, 1956, Arlington West, Washington Quadrangle Map 7.5 minute series, photo revised 1981.

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION	
01 STATE WA	02 SITE NUMBER D053823019

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER		None	
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
	None

IV. PHOTOGRAPHS AND MAPS

01 TYPE ___ GROUND ___ AERIAL
None

02 IN CUSTODY OF _____
(Name of organization or individual)

03 MAPS
___ YES
___ NO

04 LOCATION OF MAPS
None

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

In 1981 when pentachlorophenol treating solution was spilled on-site, Washington Department of Ecology collected four soil samples from unspecified locations. The samples contained between 900,000 and 2,000,000 µg/kg of pentachlorophenol.

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

1. Washington Department of Ecology J.H. Baxter & Company Inc., site file.

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	D053823019

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. BOX, RFD #, ETC.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
J.H. Baxter & Company		1700 S. El Camino Real		San Mateo	CA	94402
J.H. Baxter & Company		6520 - 188th St. N.E.		Arlington	WA	98223

PARENT COMPANY (If applicable)

08 NAME	09 D+B NUMBER	10 STREET ADDRESS (P.O. BOX, RFD #, ETC.)	11 SIC CODE	12 CITY	13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
Ted Butcher Inc.		Unknown				

IV. REALTY OWNER(S) (If applicable; list most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

1. USEPA, J.H. Baxter & Company Inc. site file.

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	D053823019

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. BOX, RFD #, ETC.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE	08 YEARS OF OPERATION	09 NAME OF OWNER
J.H. Baxter & Company		6520 - 188th St. N.E.		Arlington	WA	98223	1970-Present	

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER	12 STREET ADDRESS (P.O. BOX, RFD #, ETC.)	13 SIC CODE	14 CITY	15 STATE	16 ZIP CODE

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE	08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD	10 NAME	11 D+B NUMBER	12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE	14 CITY	15 STATE	16 ZIP CODE

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

1. USEPA, J.H. Baxter & Company Inc. site file.

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION	
01 STATE WA	02 SITE NUMBER D053823019

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER	
03 STREET ADDRESS (P.O. BOX, RFD #, ETC.)	04 SIC CODE	
05 CITY	06 STATE / 07 ZIP CODE	

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

1. USEPA, J.H. Baxter & Company Inc. site file.

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	D053823019

II. PAST RESPONSE ACTIVITIES

01 ___ A. WATER SUPPLY CLOSED	02 DATE		03 AGENCY
04 DESCRIPTION None			
01 ___ B. TEMPORARY WATER SUPPLY PROVIDED	02 DATE		03 AGENCY
04 DESCRIPTION None			
01 ___ C. PERMANENT WATER SUPPLY PROVIDED	02 DATE		03 AGENCY
04 DESCRIPTION None			
01 _X_ D. SPILLED MATERIAL REMOVED	02 DATE	3/24/81	03 AGENCY None
04 DESCRIPTION Approximately 1400 gallons of PCP treating solution spilled from a butt tank approximately 300 gallons were recovered and soil was removed.			
01 _X_ E. CONTAMINATED SOIL REMOVED	02 DATE	3/24/81	03 AGENCY None
04 DESCRIPTION PCP treating oil spilled and contaminated soil. Contaminated soil was removed; however, the completeness of the removal is unknown.			
01 ___ F. WASTE REPACKAGED	02 DATE		03 AGENCY
04 DESCRIPTION None			
01 ___ G. WASTE DISPOSED ELSEWHERE	02 DATE		03 AGENCY
04 DESCRIPTION None			
01 ___ H. ON SITE BURIAL	02 DATE		03 AGENCY
04 DESCRIPTION None			
01 ___ I. IN SITU CHEMICAL TREATMENT	02 DATE		03 AGENCY
04 DESCRIPTION None			
01 ___ J. IN SITU BIOLOGICAL TREATMENT	02 DATE		03 AGENCY
04 DESCRIPTION None			
01 ___ K. IN SITU PHYSICAL TREATMENT	02 DATE		03 AGENCY
04 DESCRIPTION None			
01 ___ L. ENCAPSULATION	02 DATE		03 AGENCY
04 DESCRIPTION None			
01 ___ M. EMERGENCY WASTE TREATMENT	02 DATE		03 AGENCY
04 DESCRIPTION None			
01 ___ N. CUTOFF WALLS	02 DATE		03 AGENCY
04 DESCRIPTION None			
01 ___ O. EMERGENCY DIKING/SURFACE WATER DIVERSION	02 DATE		03 AGENCY
04 DESCRIPTION None			
01 ___ P. CUTOFF TRENCHES/SUMP	02 DATE		03 AGENCY
04 DESCRIPTION None			
01 ___ Q. SUBSURFACE CUTOFF WALL	02 DATE		03 AGENCY
04 DESCRIPTION None			

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	D053823019

II. PAST RESPONSE ACTIVITIES (Continued)

01 ___R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None

01 ___S. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None

01 ___T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None

01 ___U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None

01 ___V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None

01 ___W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None

01 ___X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None

01 ___Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None

01 ___Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None

01 ___1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None

01 ___2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
None

01 ___3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

None

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

1. Michael Spies, November 1988, J.H. Baxter & Company Inc., Plant Manager, personal communication with Lynn Guilford, E & E.
2. Washington Department of Ecology, J.H. Baxter & Company Inc., site file.
3. USEPA, J.H. Baxter & Company Inc., site file.

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WA	D053823019

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ___YES X NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

None

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

1. Washington Department of Ecology J.H. Baxter & Company Inc., site file.
2. USEPA, J.H. Baxter & Company Inc., site file.